

CHICKEN c-SRC cDNA

(SEQ ID NO:2)

```
1  tctgacaccc atctgtctgt ctgtctgtgt gctgcaggag ctgagctgac tctgctgtgg
61  cctcgcgtac cactgtggcc aggcggtagc tgggacgtgc agcccaccac catggggagc
121  agcaagagca agcccaagga cccagccag cgccggcgca gcctggagcc acccgacagc
181  acccaccacg ggggattccc agcctcgcag accccaaca agacagcagc ccccgacacg
241  caccgcaccc ccagccgctc ctttgggacc gtggccaccg agcccaagct cttcgggggc
301  ttcaacactt ctgacaccgt tacgtcgccg cagcgtgccg gggcactggc tggcggcgtc
361  accactttcg tggtctctta cgactacgag tcccggactg aaacggactt gtcttcaag
421  aaaggagaac gcctgcagat tgtcaacaac acggaagggtg actggtggct ggctcatcc
481  ctactacag gacagacggg ctacatcccc agtaactatg tcgcgccctc agactccatc
541  caggctgaag agtggtaact tgggaagatc actcgtcggg agtccgagcg gctgctgctc
601  aaccccgaaa acccccgggg aacctttctg gtccgggaga gcgagacgac aaaagggtgcc
661  tattgcctct ccgtttctga ctttgacaac gccaaagggc tcaatgtgaa gcactacaag
721  atccgcaagc tggacagcgg cggtttctac atcacctcac gcacacagtt cagcagcctg
781  cagcagctgg tggcctacta ctccaaacat gctgatggct tgtgccaccg cctgaccaac
841  gtctgcccc agtccaagcc ccagaccag ggactcgcca aggacgcgtg ggaaatcccc
901  cgggagtcgc tgcggctgga ggtgaagctg gggcagggct gctttggaga ggtctggatg
961  gggacctgga acggcaccac cagagtggcc ataaagactc tgaagcccg caccatgtcc
1021  ccggaggcct tctgcagga agcccaagtg atgaagaagc tccggcatga gaagctggtt
1081  cagctgtacg cagtgggtgc ggaagagccc atctacatg tcactgagta catgagcaag
1141  gggagcctcc tggatttct gaaggagag atgggcaagt acctgcggct gccacagctc
1201  gtcgatatgg ctgctcagat tgcacccggc atggcctatg tggagaggat gaactacgtg
1261  caccgagacc tgcgggcggc caacatcctg gtgggggaga acctggtgtg caaggtggct
1321  gactttgggc tggcacgcct catcaggac aacaggtaca cagcacggca aggtgccaa
1381  ttccccatca agtggacagc ccccgaggca gccctctatg gccggttcac catcaagtcg
1441  gatgtctggt ccttcggcat cctgctgact gagctgacca ccaagggccg ggtgccatac
1501  ccagggatgg tcaacaggga ggtgctggac caggtggaga ggggctaccg catgccctgc
1561  ccgcccagat gcccagatc gctgcatgac ctcatgtgcc agtgcctggc gagggacct
1621  gaggagcggc ccactttga gtacctgag gccttctgg aggactact cactcgaca
1681  gageccagc accagcctgg agagaacct taggcctgga gctctctg gaccagaggo
1741  ctgctgtgg ggtacagg
```

FIG. 1

CHICKEN cSRC ENCODED PROTEIN

(SEQ ID NO:3)

MGSSKSKPKDPSQRRRSLEPPDSTHHGGFPASQTPNKTA
PDTHRTPSRSFGTVATEPKLFGGFNTSDTVTSPQRAGALA
GGVTTFVALYDYESRTETDLSFKKGERLQIVNNTSGDWWL
AHSLTTGQTGYIPSNYVAPSDSIQAEEWYFGKITRRESER
LLNPNENPRGTFLVRESETTKGAYCLSVSDFDNAKGLNVK
HYKIRKLDSGGFYITSRTQFSSLQQLVAYYSKHADGLCHR
LTNVCPTSKPQTQGLAKDAWEIPRESLRLEVKLGGQCGFGE
VWMGTWNGTTRVAIKTLKPGTMSPEAFLQEAQVMKKLRHE
KLVQLYAVVSEPIYIVTEYMSKGSLLDFLKGEMGKYLRL
PQLVDMAAQIASGMAYVERMNYVHRDLRAANILVGENL
VCKVADFGLARLIEDNEYTARQGAKFPIKWTAPAAALYGR
FTIKSDVWSFGILLTELTTKGRVPYPGMVNREVLDQVERG
YRMPCPPECPESLHDLMCQCWRRDPEERPTFEYLQAFLE
DYFTSTEPQYQPGENL

FIG. 2

HUMAN c-SRC cDNA

(SEQ ID NO:4)

```

1 gcgcgcgctc ccgcaggccg tgatgccgc cgcgcgaggagg tggcccggac cgcagtgcc
61 caagagagct ctaatgttac caagtacag gttggcttta ctgtgactcg gggacgccag
121 agctcctgag aagatgtcag caatacaggc cgcctggcca tccggtacag aatgtattgc
181 caagtacaac ttccacggca ctgccgagca ggacctgccc ttctgcaaag gagactgtct
241 caccattgtg gccgtacca aggaccccaa ctggtacaaa gcaaaaaaca aggtgggccc
301 tgagggcac atcccagcca actacgtcca gaagcgggag ggcgtgaagg cgggtacca
361 actcagctc atgcttggg tccacggcaa gatcacagg gacgaggctg agcggcttct
421 gtacccgcgc gagacaggcc tgttctggg gcgggagagc accaactacc ccggagacta
481 cacgtgtgac gtgagctgcg acggcaaggt ggagcactac cgcactatgt accatgccag
541 caagctcagc atcgacgagg aggtgtactt tgagaacctc atgcagctgg tggagcacta
601 caccctcagc gcagatggac tctgtacgc cctcattaaa ccaaaggcca tggaggggcac
661 agtggcggcc caggatgagt tctaccgcag cggctgggcc ctgaacatga aggagctgaa
721 gctgtctcag accatcggga agggggaggt cggagacgtg atgtcgggcg attaccgagg
781 gaacaaagtc gccgtcaagt gcattaagaa cgacgccact gccaggcct tcttggctga
841 agcctcagtc atgacgcaac tgcggcatag caacctggg cagctcctgg gcgtgatcgt
901 ggaggagaag ggcgggctct acatcgtcac tgagtacatg gccaagggga gccttgtgga
961 ctacctgcgc tctaggggtc ggtcagtgt ggcgggagac tgtctctca agttctcgt
1021 agatgtctgc gaggccatgg aatacctgga gggcaacaat ttctgtcacc gagacctggc
1081 tgcccgcgat gtgttgggtg ctgaggacaa cgtggccaag gtcagcgact ttggtctcac
1141 caaggaggcg tccagcacc aggacacggg caagctgcca gtcaagtgga cagccctga
1201 ggccctgaga gagaagaaat tctccactaa gtctgacgtg tggagttcg gaatccttct
1261 ctgggaaatc tactcctttg ggcgagtgc ttatccaaga attccctga aggacgtcgt
1321 cctcgggtg gagaagggt acaagatgga tgccccgcac ggctgccgc ccgcagtcta
1381 tgaagtcagc aagaactgt ggcacctgga cgcgccatg cggcctctct tctacagct
1441 ccgagagcag cttgagcaca tcaaaacca cgagctgcac ctgtgacggc tggcctccgc
1501 ctgggtcatg ggcctgtggg gactgaacct ggaagatcat ggacctgtg cccctgtcta
1561 ctgggcccga gcctgaactg agccccagcg ggctggcggg ccttttct gcgtccagc
1621 ctgcaccct ccggccccgt ctctcttga cccacctgt gggcctgggg agccactga
1681 ggggccaggg aggaaggagg ccacggagcg ggaggcagcg cccaccacg tcgggttcc
1741 ctggcctccc gccactgcc ttcttagagt ttattctt tctttttt agattttt
1801 tccgtgtgt tttttttat ttttttcaa gataaggaga aagaaaglac ccagcaaatg
1861 ggcattttac aagaagtacg aatttttt ttctgtct gcccgtgagg gtggggggga
1921 ccggggccct ctctagggac cctcgcgcc agcctcattc cccattctgt gtccatgtc
1981 ccgtgtctcc tcggctgccc cgtgtttgcg ctgacctatg ttgactgtt tgcattgcgc
2041 cgaggcagac gtctgtcagg ggcttgatt tcgtgtgcc ctgccaccg cccaccgcc
2101 ttgtgagatg gaattgtaat aaaccacgcc atgaggacac cgcgcgccgc ctggcgctt
2161 cctccaccga aaaaaaaaaa aaaaaaa

```

FIG. 3

HUMAN c-SRC ENCODED PROTEIN

(SEQ ID NO:5)

MSAIQAAWPSGTECIAKYNFHGTAEQDLPFCKGDVLTIVAVTKD
PNWYKAKNKVGREGIIPANYVQKREGVKAGTKLSLMPWFHGKIT
REQAERLLYPPETGLFLVRESTNYPGDYTLCVSCDGKVEHYRIMY
HASKLSIDEEVYFENLMQLVEHYTSDADGLCTRLIKPKVMEGTVA
AQDEFYRSGWALNMKELKLLQTIGKGEFGDVMLGDYRGNKVAV
KCIKNATAQAFLAEASVMTQLRHSNLVQLLGVIVEEKGGLYIVTE
YMAKGSLVDYLRSRGRSVLGGDCLKFSLDVCEAMEYLEGNNFVH
RDLAARNVLVSEDNVAKVSDFGLTKEASSTQDTGKLPVKWTAPEAL
REKKFSTKSDVWSFGILLWEIYSFGRVPYPRIPLKDVPVPRVEKGYKM
DAPDGCPPAVYEVMMKNCWHLDAAMRPSFLQLREQLEHIKTHELHL

FIG. 4

Activation of endogenous Src activity by bFGF and VEGF

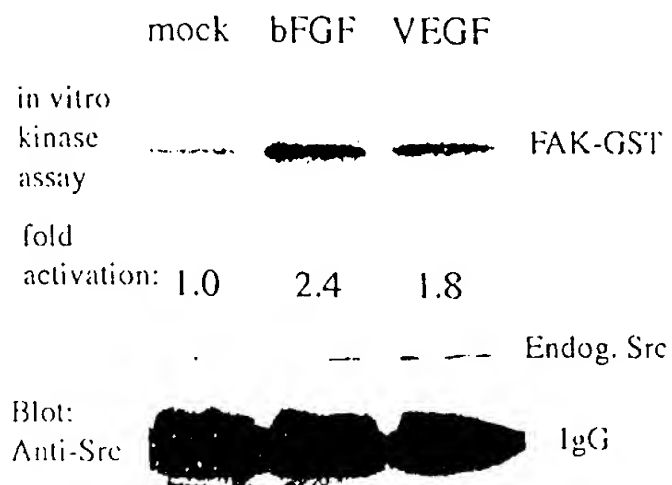
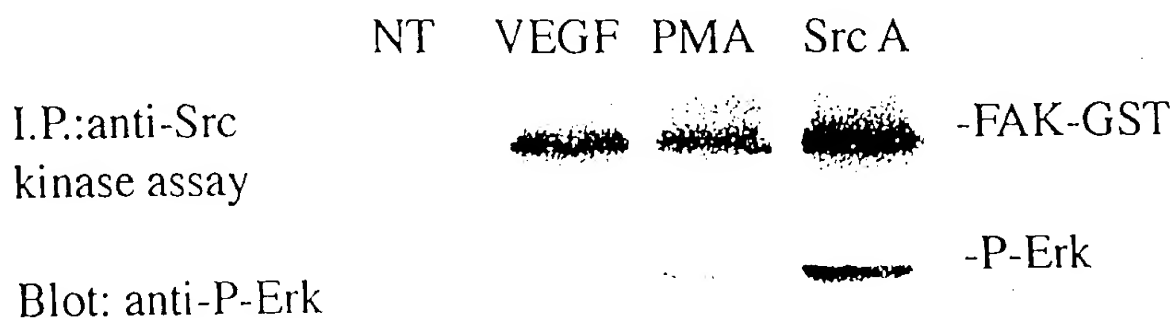
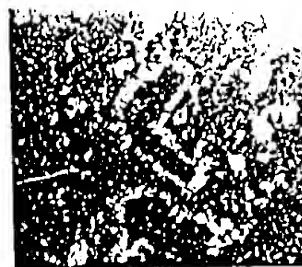
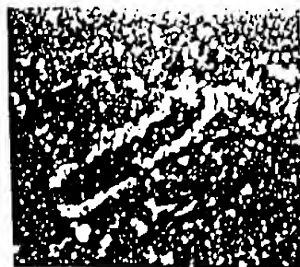


FIG. 5

Retroviral expression of Src A activates vascular MAP kinase phosphorylation



Mock



Src A

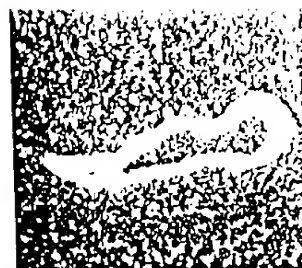
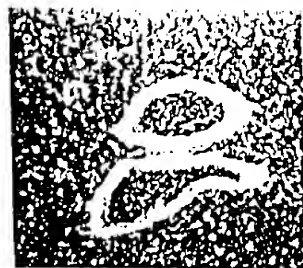


FIG. 6

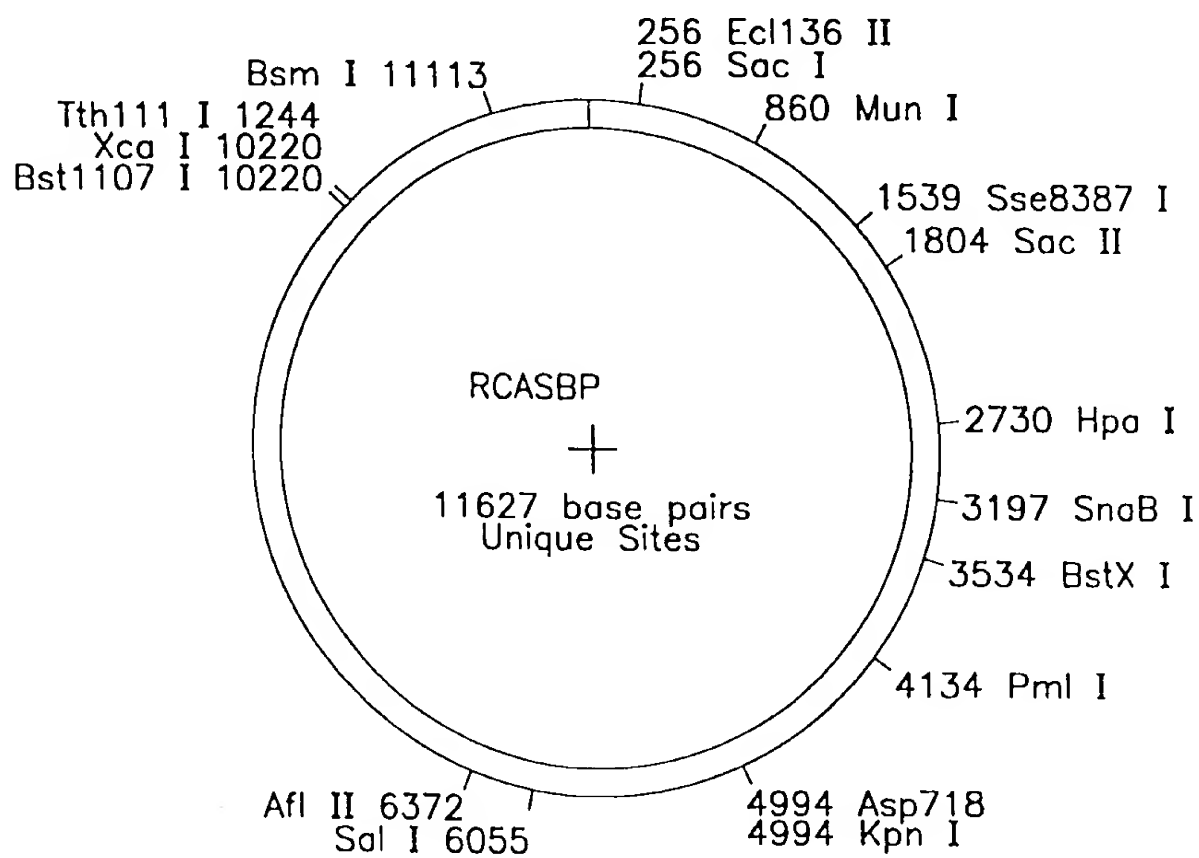


FIG. 7

human Yes-1 Protein amino acid sequence

"MGCIKSKENKSPAICYRPENTPEPVSTSVSHYGAEPTTVSPCPS
SSAKGTAVNFSSLSMTFPFGSSGVTFFGGASSSFVVPSSYPAGLTGGVTIFVALYDY
EARTTEDLSFKKGERFQIINNTEGDWWEARSIATGKNGYIPSNYVAPADSIQAEWYF
GKMGRKDAERLLLNPQNQRGIFLVRESETTKGAYSLSIRDWDEIRGDNVKHYKIRKLD
NGGYYITTRAQFDTLQKLVKHYTEHADGLCHKLTTCPTVKPQTQGLAKDAWEIPRES
LRLEVKLGGCGFGEVWMGTWNGTTKVAIKTLKPGTMMPEAFLQEAQIMKKLRHDKLVP
LYAVVSEEPYIVTEFMSKGSLLDFLKEGDGKYLKLPQLVDMAAQIADGMAYIERMNY
IHRDLRAANILVGENLVCKIADFGLARLIEDNEYTARQGAKFPIKWTAPEAALYGRFT
IKSDVWSFGILQTELVTKGRVPYPGMVNREVLEQVERGYRMPCPQGCPESLHELMNLC
WKKDPDERPTFEYIQSFLEDYFTATEPQYQPGENL"

FIGURE 8

FIGURE 9

1	gaggagccaa	ggcacacggg	tctgaccctt	gggcccggccc	ggagcaagtg	acacggaccg
61	gtcgctatc	ctgaccacag	caaagcgccc	cggagcccgc	ggagggggacc	tgacgggggc
121	gtaggcgccg	gaaggctggg	ggccccggag	cggggccggc	gtggcccag	ttccggtgag
181	cggacggcgg	cgcgcgcaga	tttgataatg	ggctgcatta	aaagtaaaga	aaacaaaagt
241	ccagccatta	aatacagacc	tgaaaatact	ccagagcctg	tcagtacaag	tgtgagccat
301	tatggagcag	aacccactac	agtgtcacca	tgtccgtcat	cttcagcaaa	gggaacagca
361	gttaatttca	gcagtctttc	catgacacca	tttggaggat	cctcaggggt	aacgcctttt
421	ggaggtgcat	cttcctcatt	ttcagtggtg	ccaagttcat	atcctgctgg	tttaacaggt
481	ggtgttacta	tattttgtgg	cttatatgat	tatgaagcta	gaactacaga	agacctttca
541	tttaagaagg	gtgaaagatt	tcaaataatt	aacaatacgg	aaggagattg	gtgggaagca
601	agatcaatcg	ctacaggaaa	gaatggttat	atcccagagca	attatgtagc	gcctgcagat
661	tccattcagg	cagaagaatg	gtattttggc	aaaatgggga	gaaaagatgc	tgaaagatta
721	cttttgaatc	ctggaaatca	acgaggtatt	ttcttagtaa	gagagagtga	aacaactaaa
781	ggtgcttatt	ccctttctat	tcgtgattgg	gatgagataa	ggggtgacaa	tgtgaaacac
841	tacaaaatta	ggaaacttga	caatggtgga	tactatatca	caaccagagc	acaatttgat
901	actctgcaga	aattggtgaa	acactacaca	gaacatgctg	atgggtttatg	ccacaagtgtg
961	acaactgtgt	gtccaactgt	gaaacctcag	actcaaggte	tagcaaaaaga	tgcttgggaa
1021	atccctcgag	aatcttttgcg	actagagggt	aaactaggac	aaggatgttt	cggcgaagtg
1081	tggatgggaa	catggaatgg	aaccacgaaa	gtagcaatca	aaacactaaa	accaggtaca
1141	atgatgccag	aagcttttctt	tcaagaagct	cagataatga	aaaaattaaag	acatgataaaa
1201	cttggtccac	tatatgctgt	tgtttctgaa	gaaccaattt	acattgtcac	tgaatttatg
1261	tcaaaaggaa	gcttatttaga	tttccctaaag	gaaggagatg	gaaagtattt	gaagctttcca
1321	cagctggttg	atatggctgc	tcagattgct	gatgggtatg	catatatatga	aagaatgaac
1381	tatatccacc	gagatcttcg	ggctgctaata	attcttgtag	gagaaaaatct	tgtgtgcaaaa
1441	atagcagact	ttgggttttagc	aagggttaatt	gaagacaatg	aatacacagc	aagacaaggt
1501	gcaaaaatttc	caatcaaatg	gacagctcct	gaagctgcac	tgtatggtcg	gtttacaata
1561	aagctctgatg	tctggtcatt	tggaattctg	caaacagaac	tagtaacaaa	gggcccagtg
1621	ccatatccag	gtatgggtgaa	cogtgaagta	ctagaacaag	tggagcggag	atcacagatg
1681	ccgtgccctc	agggctgtcc	agaatccctc	catgaattga	tgaatctgtg	ttgggaagaag
1741	gacctgatg	aaagaccaac	atttgaatat	attcagtcct	tcttggaaga	ctacttcact
1801	gctacagagc	cacagtacca	gccaggagaa	aattttataat	tcaagtagcc	tattttatat
1861	gcacaaatct	gccaaaaatat	aaagaacttg	tgtagatttt	ctacaggaat	caaaaagaaga
1921	aaatcttctt	tactctgcatt	gttttttaattg	gtaaaactgga	atcccagata	tggttgcaca
1981	aaaccacttt	tttttcccca	agtatttaaac	tctaattgtac	caatgatgaa	tttatcagcg
2041	tattttcaggg	tccaaacaaa	atagagctaa	gatactgatg	acagtggtgg	tgacagcatg
2101	gtaatgaagg	acagtgaggc	tctgtcttat	ttataaatca	tttccctttct	ttttttcccc
2161	aaagtccagaa	ttgctcaaaag	aaaattatttt	attgtttacag	ataaaaacttg	agagataaaa
2221	agctatacca	taataaaaatc	taaaaattaaag	gaatatcatg	ggaccaaaata	attccattcc
2281	agtttttttaa	agttttcttgc	attttattatt	ctcaaaaagtt	ttttctaagt	taaacagtca
2341	gtatgcaatc	ttaatatatg	ctttctttttg	catggacatg	ggccagggtt	ttcaaaaagga
2401	atataaacag	gatctcaaac	ttgattaaat	gttagaccac	agaagtggaa	tttgaaagta
2461	taatgcagta	cattaatat	catgttcatg	gaactgaaag	aataagaact	ttttcacttc
2521	agtcccttttc	tgaagagttt	gacttagaat	aatgaaggta	actagaaagt	gagttaatct
2581	tgtatgaggt	tgcattgatt	ttttaaggca	atatataatt	gaaactactg	tccaatcaaa
2641	ggggaaatgt	tttgatcttt	agatagcatg	caaagtaaga	cccagcattt	taaaagccct
2701	ttttttaaaaa	ctagacttcg	tactgtgagt	attgcttata	tgtccttatg	gggatgggtg
2761	ccacaaaatag	aaaatatgac	cagatcaggg	acttgaatgc	acttttgcct	attggtgaata
2821	tagatgaaca	gagaggaaaa	tgtattttaa	agaaatacga	gaaaagaaaa	tgtgaaagtt
2881	ttacaagtta	gagggatgga	aggtaatggt	taatgttgat	gtcatggagt	gacagaatgg
2941	ctttgctggc	actcagagct	cctcacttag	ctatatctctg	agactttgaa	gagttataaaa
3001	gtataactat	aaaactaatt	tttcttacac	actaaatggg	tattttgttca	aaataatgaa
3061	gttatggctt	cacattcatt	gcagtgggat	atgggttttta	tgtaaaacat	ttttagaact
3121	ccagtttttca	aatcatgttt	gaatctacat	tcactttttt	ttgttttctt	ttttgagacg
3181	gagtcctcgt	ctgcccgcga	ggctggagtg	cagtggcgcg	atctcggctc	actgcaagct
3241	ctgctcccca	ggttcacacc	attctcctgc	ctcagcctcc	cgagttagctg	ggactacaggg
3301	tgcccaccac	cacgcctggc	tagttttttg	tatttttagt	agagacgcag	tttcaccgtg
3361	ttagccagga	tggctctgat	ctcctgacct	tgtgatctgc	cgcctcggc	ctcccaaagt
3421	gctgggatta	caggtgtgag	ccaccgcgc	cagcctacat	tcacttctaa	agtctatgta

3481	atggtggg	ttttttccct	tttagaatac	attaaatggt	tgattttgggg	aggaaaaactt
3541	attctgaata	ttaacgggtg	tgaaaagggg	acagttttta	ccctaaagtg	caaaagtgaa
3601	acatacaaaa	taagactaat	ttttaagagt	aactcagtaa	tttcaaaaata	cagatttgaa
3661	tagcagcatt	agtggtttga	gtgtctagca	aaggaaaaat	tgatgaataa	aatgaaggtc
3721	tgggtgtatat	gttttaaaaat	actctcatat	agtcacactt	taaattaagc	cttatattag
3781	gccccctctat	tttcaggata	taattcttaa	ctatcattat	ttacctgatt	ttaatcatca
3841	gattcgaaaat	tctgtgccat	ggcgtatatg	ttcaaattca	aaccattttt	aaaatgtgaa
3901	gatggacttc	atgcaagttg	gcagtgggtc	tggtactaaa	aattgtgggt	gttttttctg
3961	tttacgtaac	ctgcttagta	ttgacactct	ctaccaagag	ggtcttcccta	agaagagtgc
4021	tgtcattatt	tctctttatc	aacaacttgt	gacatgagat	tttttaaggg	ctttatgtga
4081	actatgatat	tgtaattttt	ctaagcatat	tcaaaagggg	gacaaaatta	cgtttatgta
4141	ctaaatctaa	tcaggaaaagt	aaggcaggaa	aagttgatgg	tattcattag	gttttaactg
4201	aatggagcag	ttccttatat	aataacaatt	gtatagtagg	gataaaacac	taacaatgtg
4261	tattcatttt	aaattgttct	gtatttttaa	attgccaaaga	aaaacaactt	tgtaaatttg
4321	gagatatttt	ccaacagctt	ttcgtcttca	gtgtcttaat	gtggaagtta	acccttacca
4381	aaaaaggaag	ttggcaaaaa	cagccttcta	gcacactttt	ttaaatgaat	aatggtagcc
4441	taaacttaat	atttttataa	agtattgtaa	tattgttttg	tggataattg	aaataaaaag
4501	ttctcattga	atgcacc				

FIGURE 9 Con't

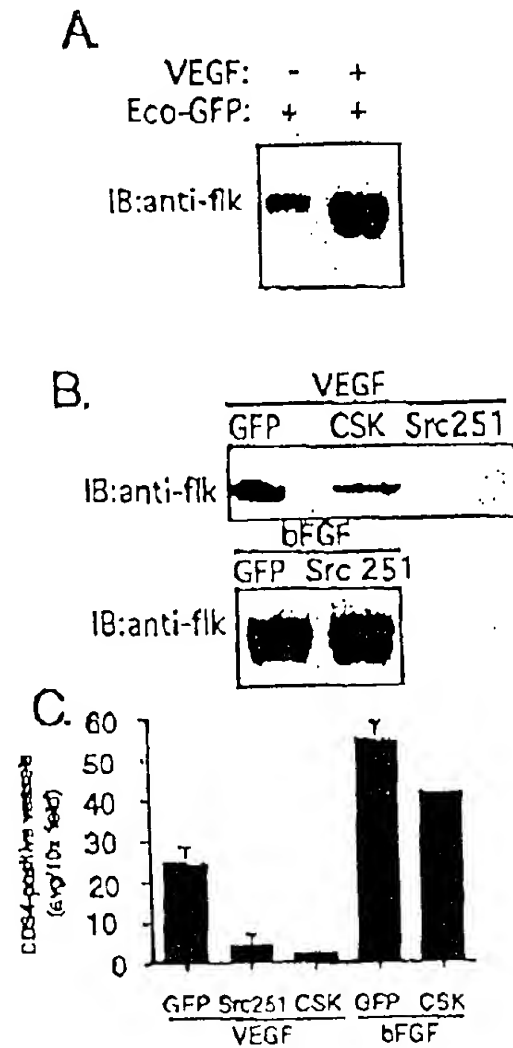


FIGURE 10

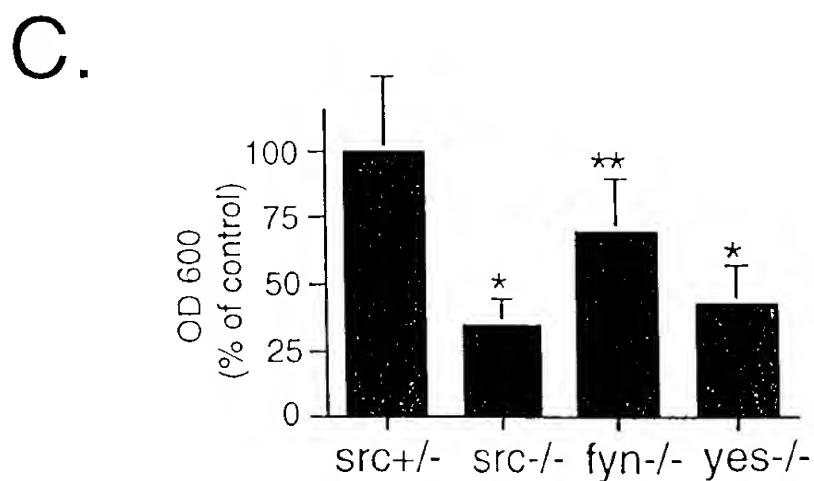
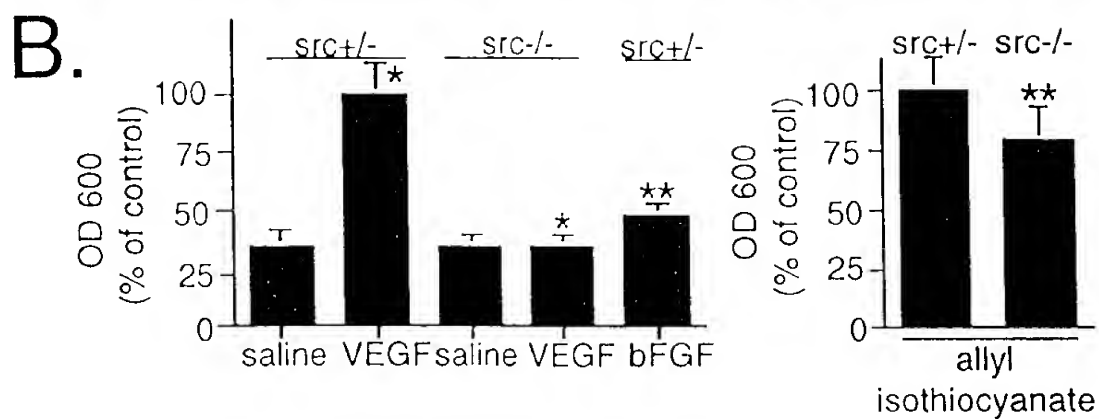
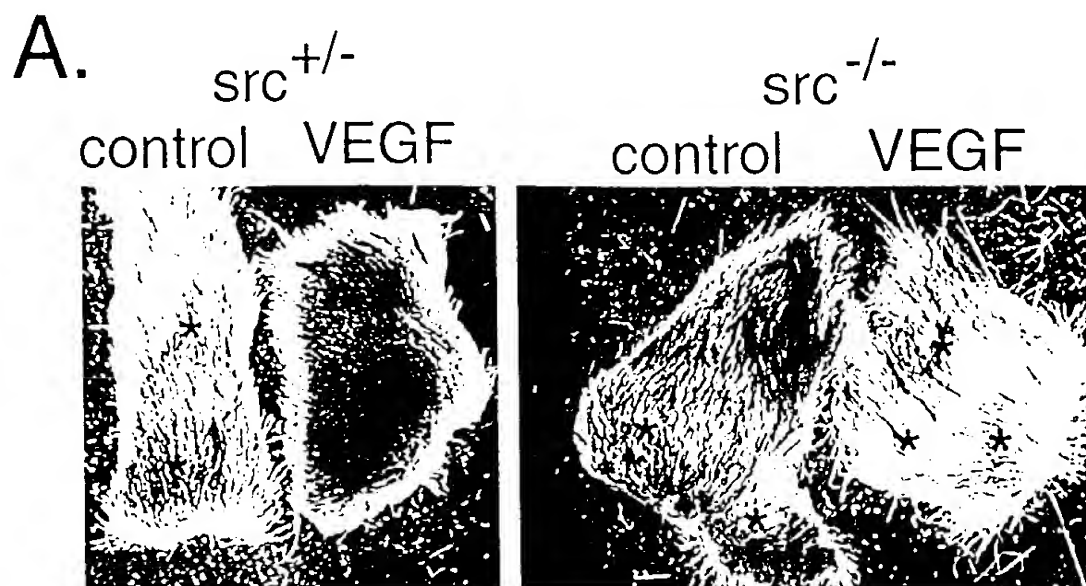


FIG. 11

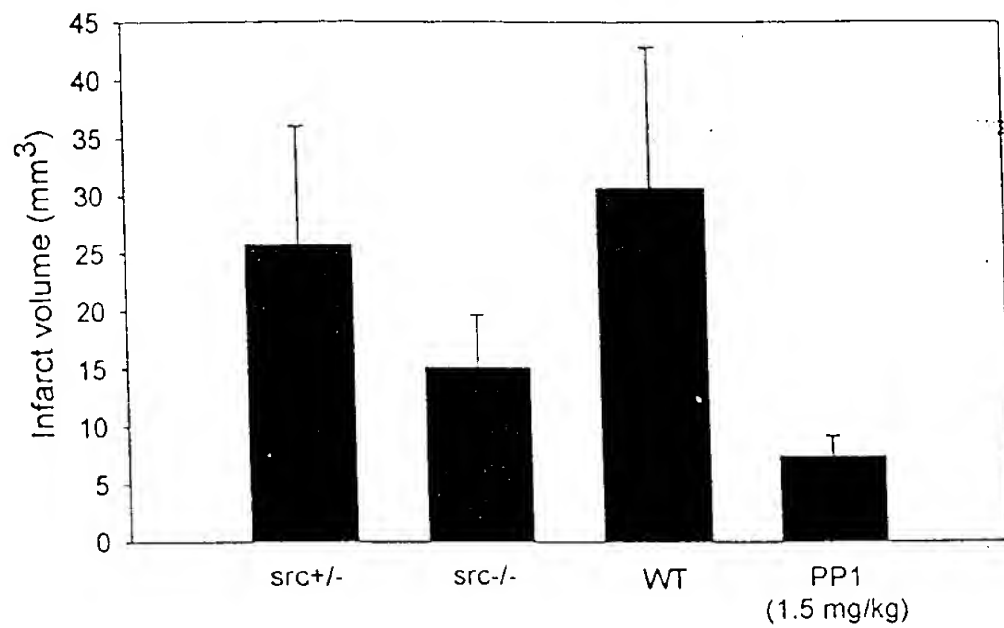


FIG 12

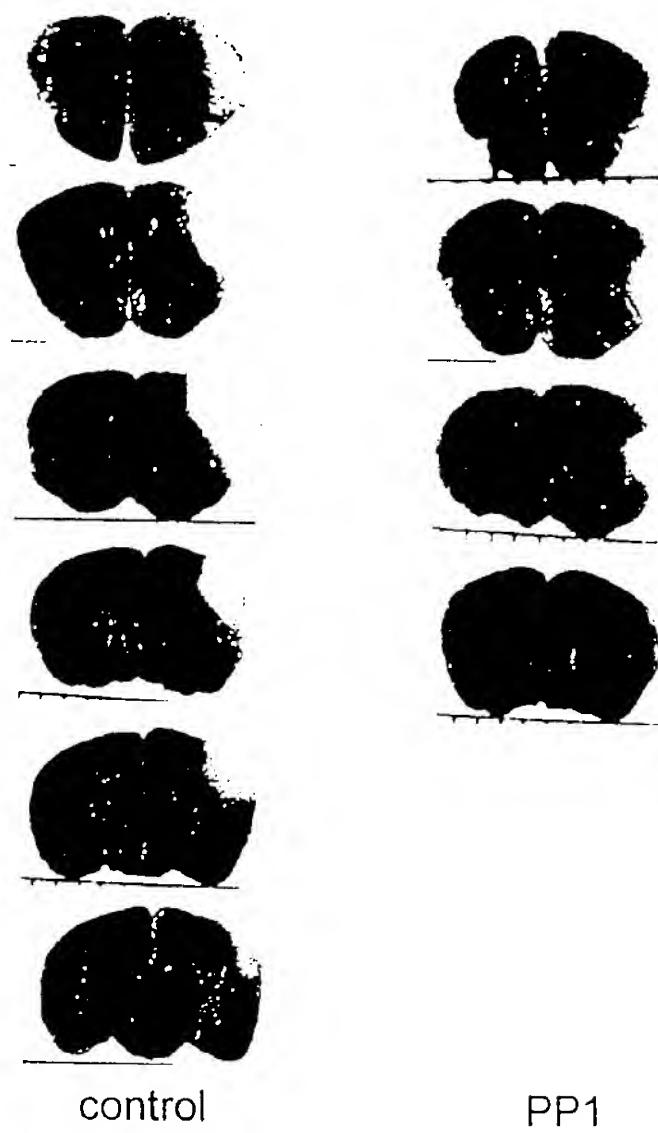


FIG 13